

FIG. 2

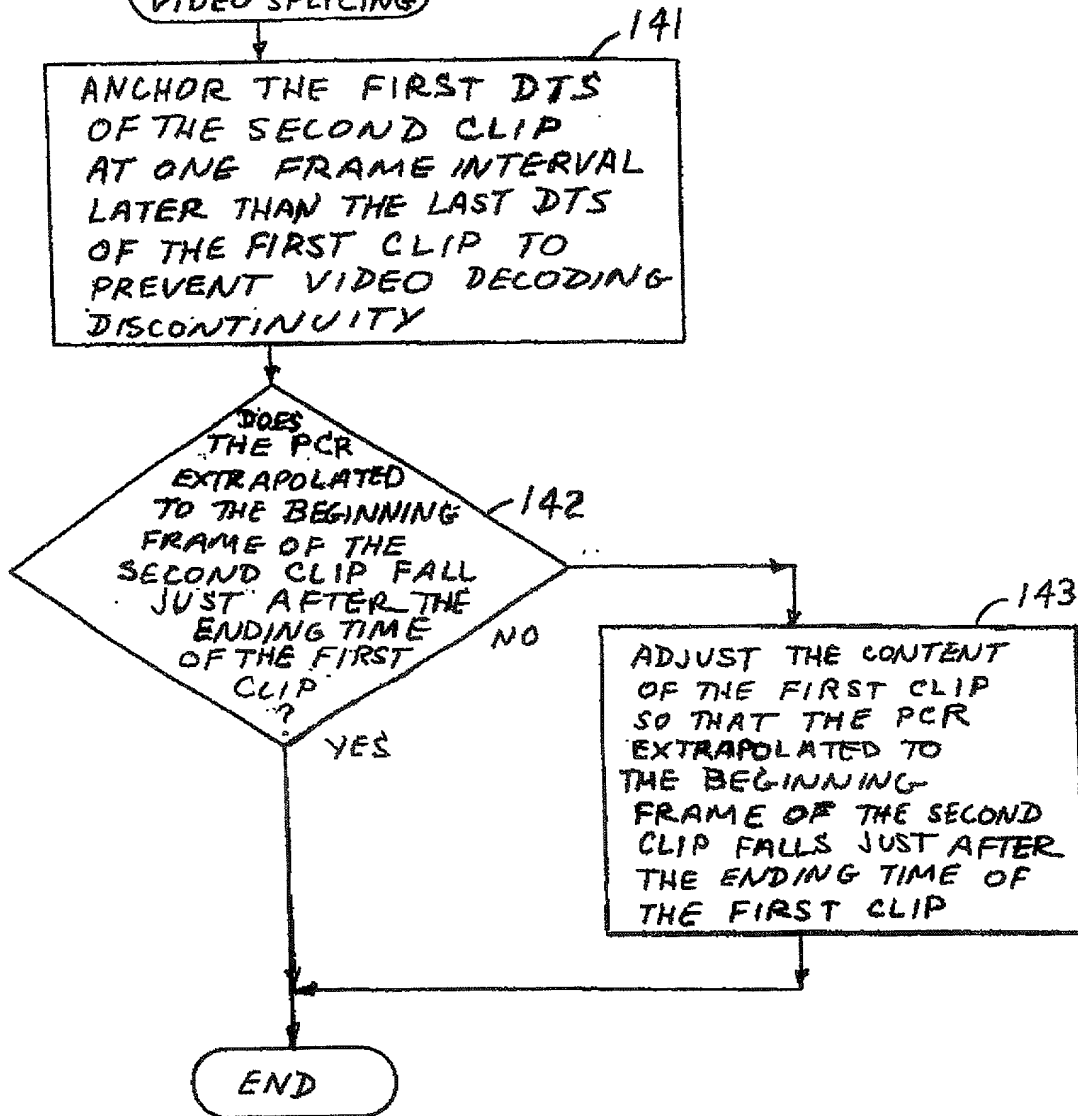
```

graph TD
    Start([MPEG  
SPLICING]) --> 121[INPUT DESIRED END  
FRAME OF FIRST CLIP AND  
DESIRED START FRAME  
OF SECOND CLIP]
    121 --> 122[FIND CLOSEST I FRAME  
PRECEDING DESIRED START  
FRAME TO BE THE IN-POINT  
FOR SPLICING]
    122 --> 123[ADJUST CONTENT OF THE  
FIRST CLIP NEAR THE END  
FRAME OF THE FIRST CLIP  
AND ADJUST CONTENT OF  
THE SECOND CLIP NEAR  
THE IN POINT IN ORDER TO  
REDUCE PRESENTATION  
DISCONTINUITY AND  
PREVENT DECODER BUFFER  
OVERFLOW WHEN DECODING  
THE SPLICED MPEG STREAM]
    123 --> 124[RE-FORMATTING INCLUDING  
RE-STAMPING OF PTS, DTS  
AND PCR'S FOR AUDIO  
AND VIDEO]
    124 --> End([END])

```

FIG. 3

SEAMLESS
VIDEO SPLICING



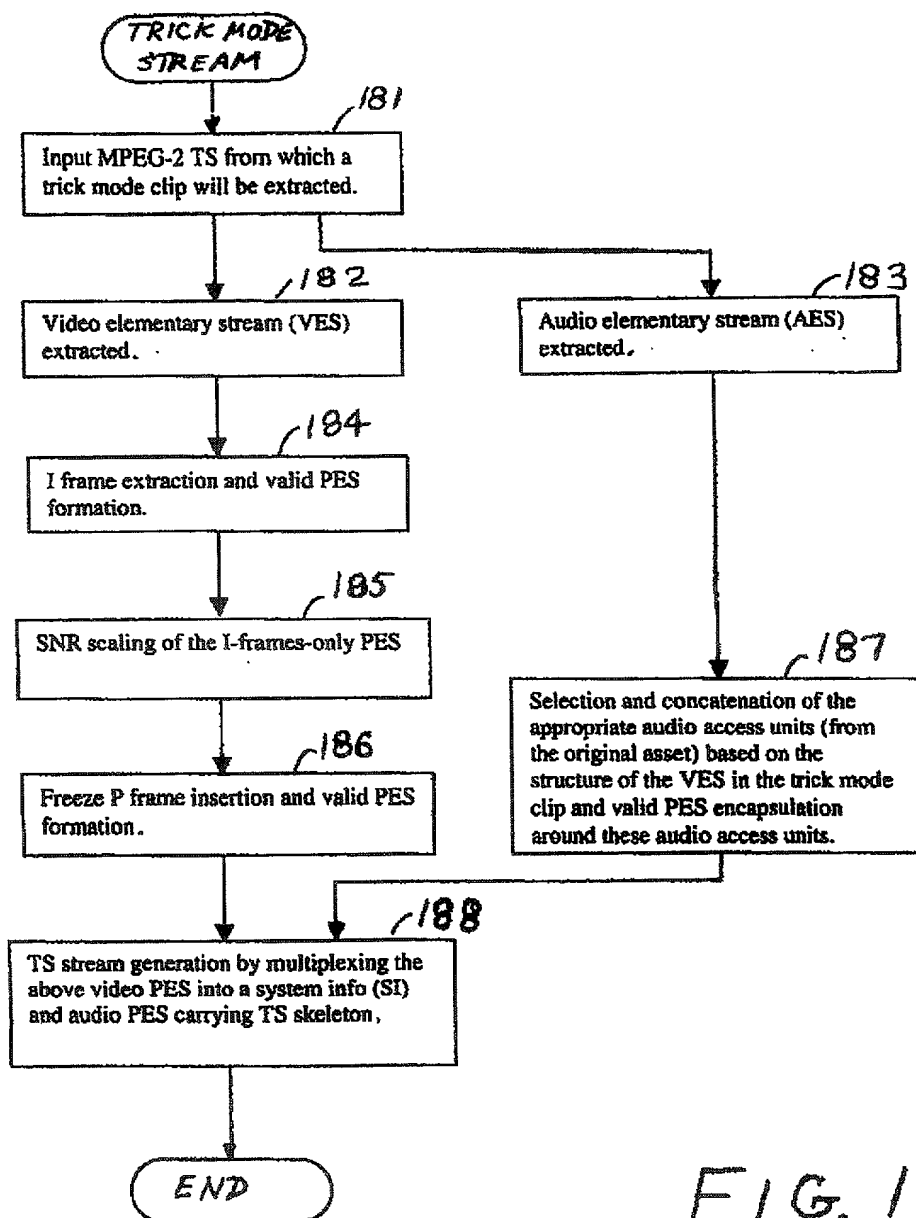


FIG. 10

The diagram illustrates a 2D discrete Fourier transform (DFT) grid. The horizontal axis represents frequency components $f_j(x)$, with indices j from 1 to 8. The vertical axis represents frequency components $f_i(y)$, with indices i from 1 to 8. The grid cells are labeled C_{ij} , where i is the row index and j is the column index. The grid is divided into four quadrants by dashed lines. The top-left quadrant (rows 1-4, columns 1-4) shows a low-frequency signal. The top-right quadrant (rows 1-4, columns 5-8) shows a high-frequency signal. The bottom-left quadrant (rows 5-8, columns 1-4) shows a low-frequency signal. The bottom-right quadrant (rows 5-8, columns 5-8) shows a high-frequency signal. The input signals $f_i(x)$ and $f_j(y)$ are shown as waveforms along the axes.

FIG. 11
(PRIOR ART)

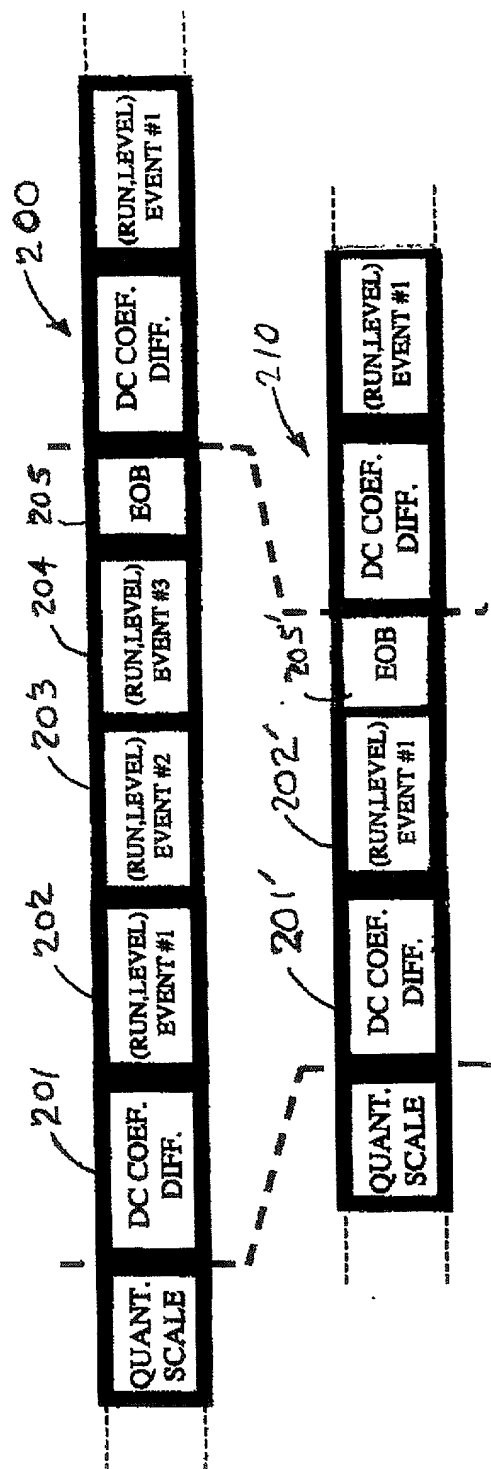
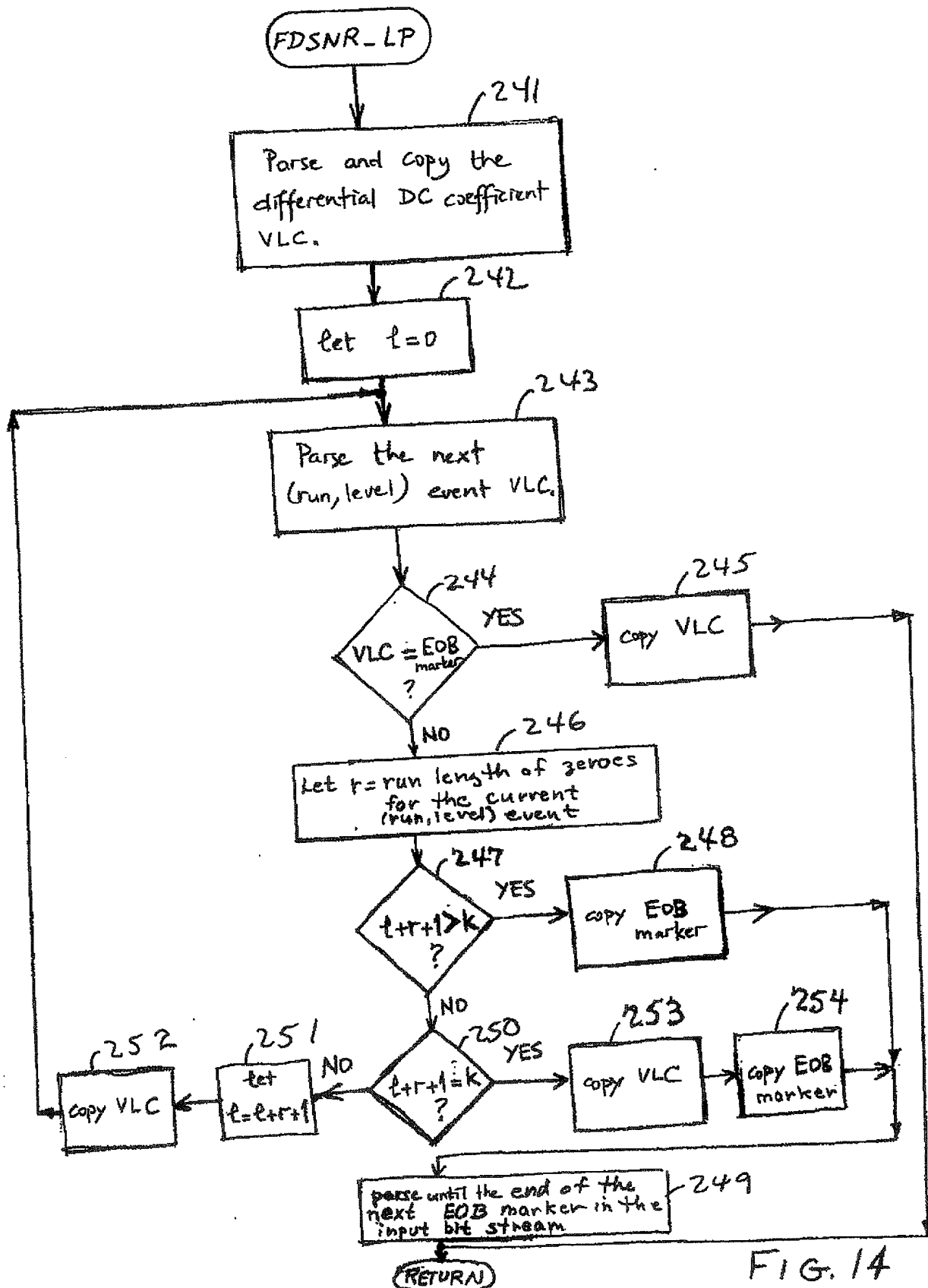
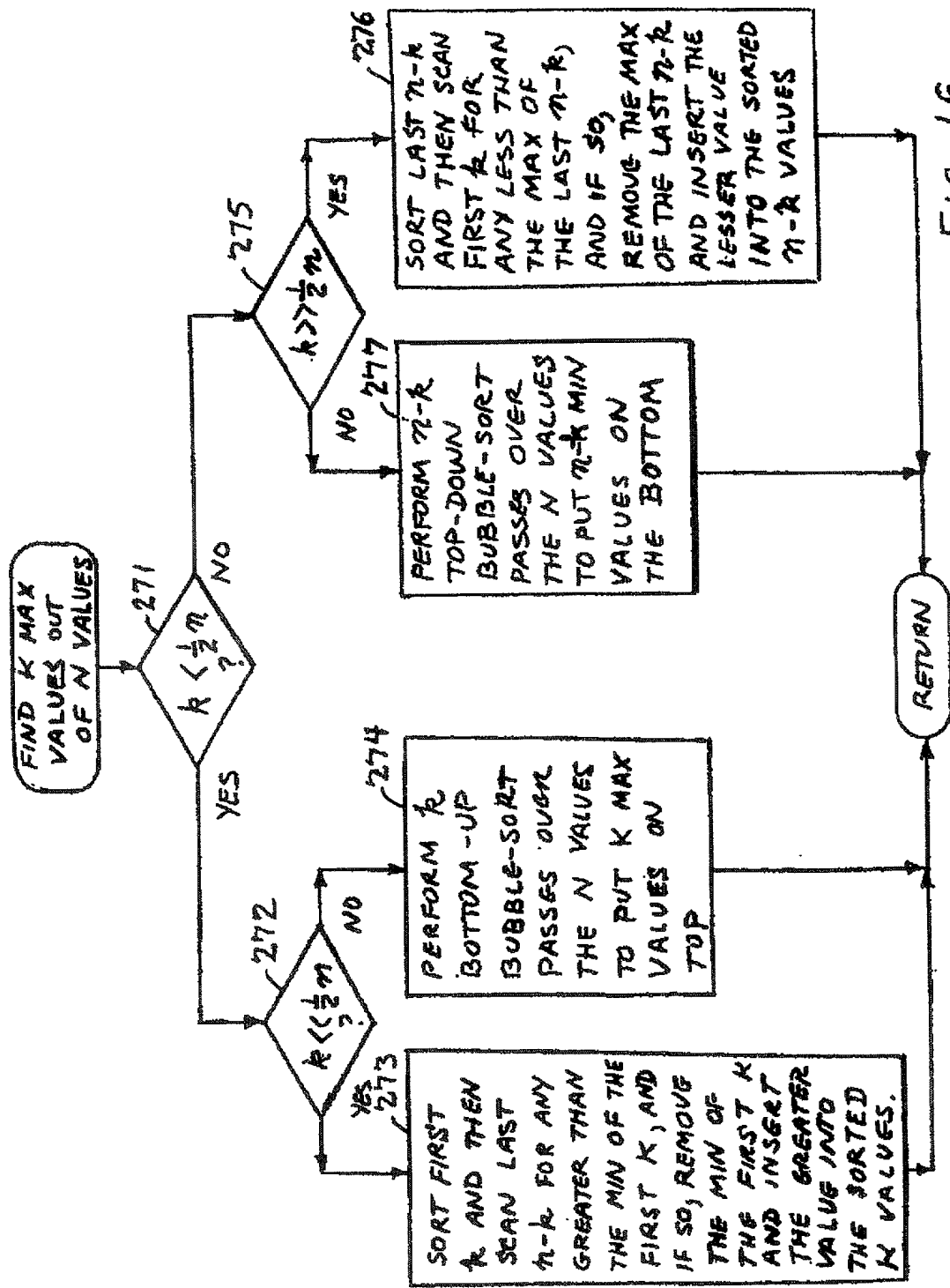


FIG. 12

FIG. 13





6/16/77

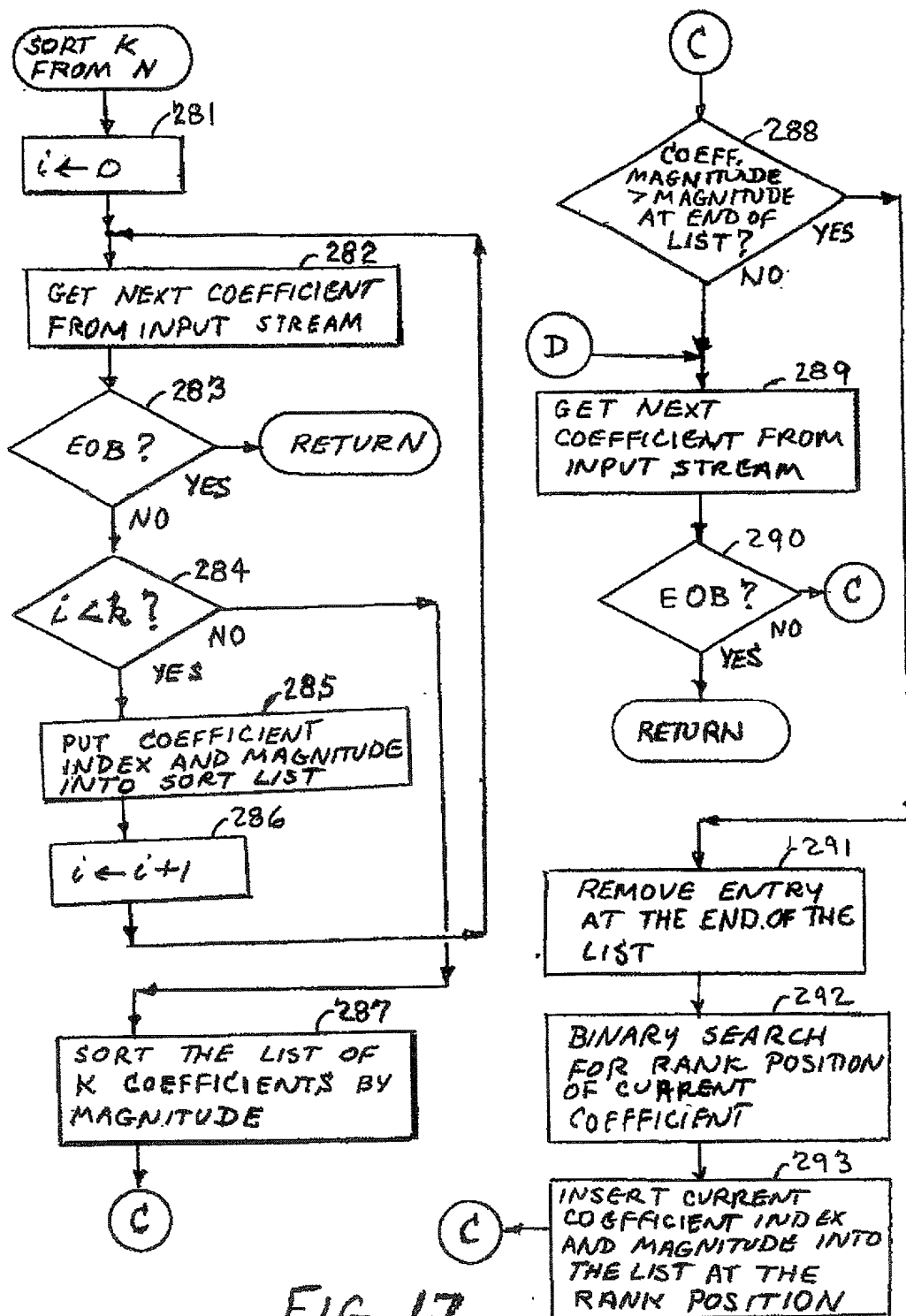


FIG. 17

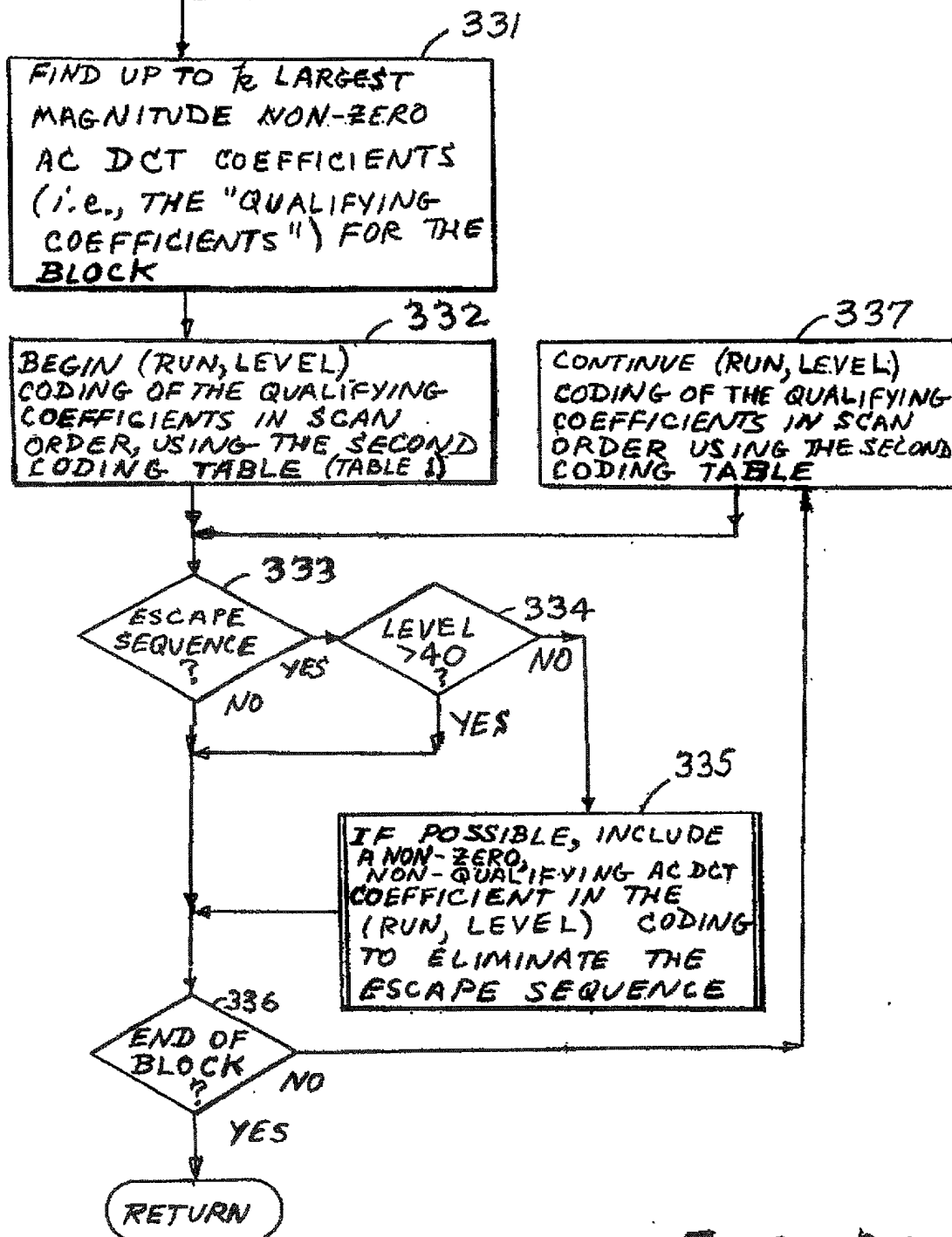

```

graph TD
    Start([APPROXIMATE SORT K FROM N]) -- 311 --> Clear[311 CLEAR HASH TABLE]
    Clear -- 312 --> GetNext[312 GET NEXT COEFFICIENT FROM INPUT STREAM]
    GetNext -- 313 --> EOB{313 EOB ?}
    EOB -- YES --> Strip[314 STRIP HASH TABLE INDEX FROM MSBs OF COEFFICIENT MAGNITUDE]
    EOB -- NO --> Strip
    Strip -- 315 --> Insert[315 INSERT COEFFICIENT INDEX ON HASH LIST OF INDEXED HASH TABLE ENTRY]
    Insert -- 316 --> InitI[316 i ← 2^m - 1  
j ← k]
    InitI -- 317 --> IndexHash[317 INDEX HASH TABLE WITH i]
    IndexHash -- 318 --> EntryZero{318 ENTRY = 0 ?}
    EntryZero -- YES --> DecI[320 i ← i - 1]
    EntryZero -- NO --> GetNextEntry[321 GET NEXT ENTRY FROM HASH LIST AND PUT COEFFICIENT IN THE OUTPUT STREAM]
    DecI -- 319 --> IZero{319 i = 0 ?}
    IZero -- YES --> Return1([RETURN])
    IZero -- NO --> IndexHash
    GetNextEntry -- 322 --> EndList{322 END OF LIST ?}
    EndList -- YES --> DecJ[323 j ← j - 1]
    EndList -- NO --> DecJ
    DecJ -- 324 --> JLe0{324 j ≤ 0 ?}
    JLe0 -- YES --> Return2([RETURN])
    JLe0 -- NO --> GetNextEntry

```

FIG. 19

MODIFIED
FDSNR, LM



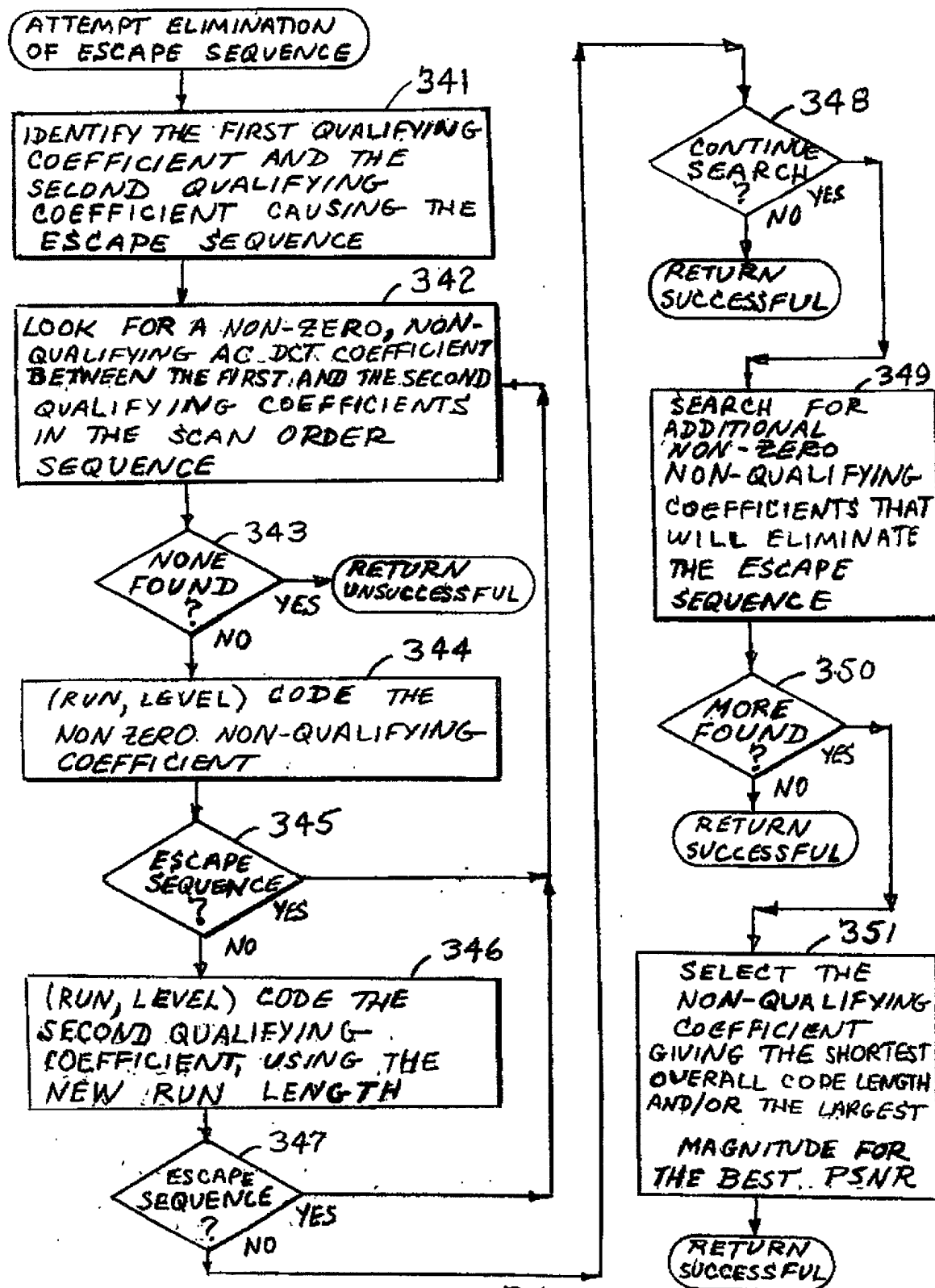


FIG. 21

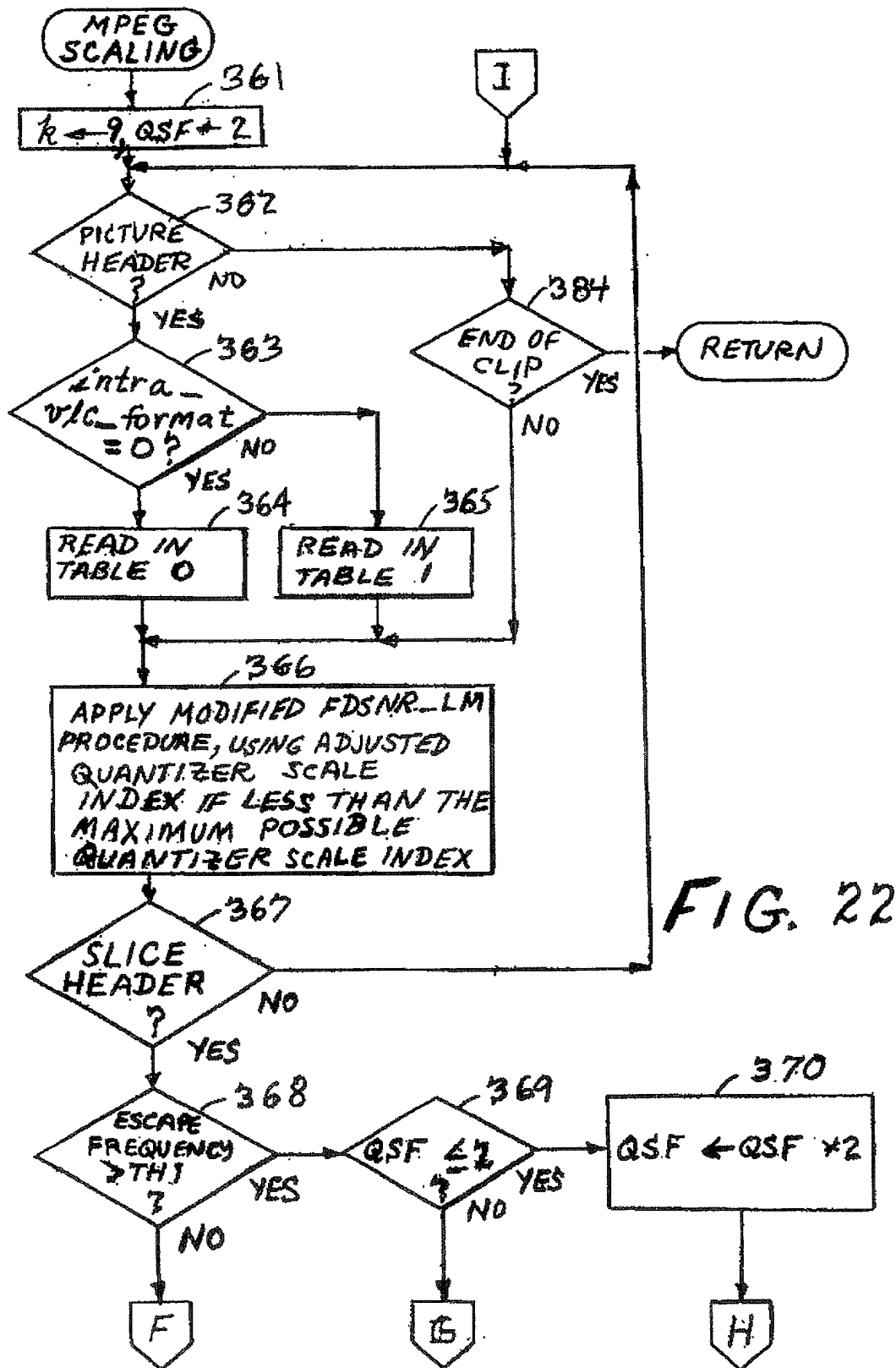


FIG. 22

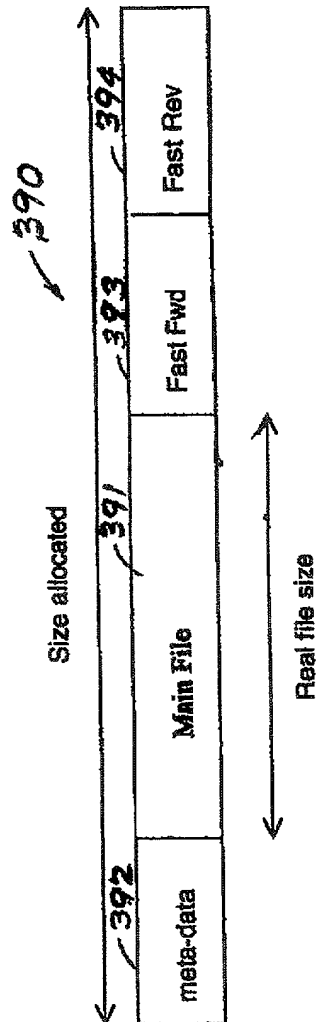


FIG. 24

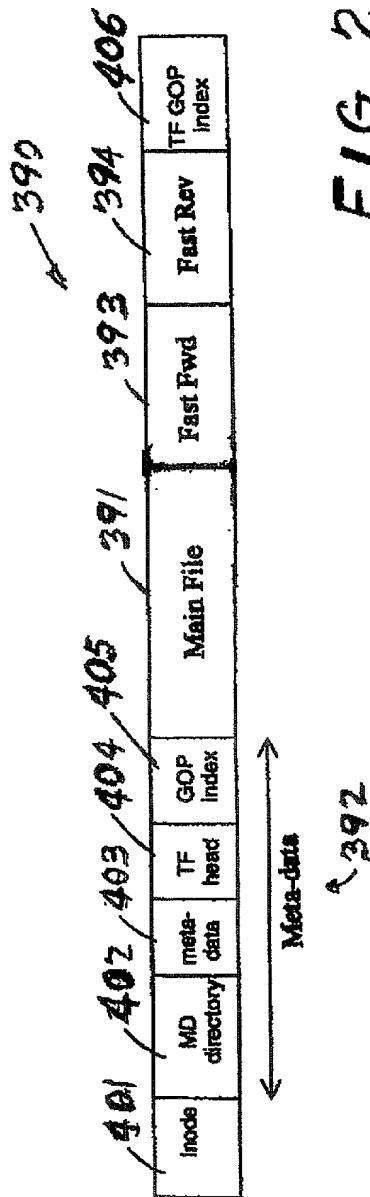


FIG. 25

	READ	WRITE
Copy of the asset with all the data	EMPEG2	EMPEG2
Copy only the main asset	RAW	MPEG2
Archive	EMPEG2	EMPEG2
Play	MPEG2	
Record		MPEG2

FIG. 27

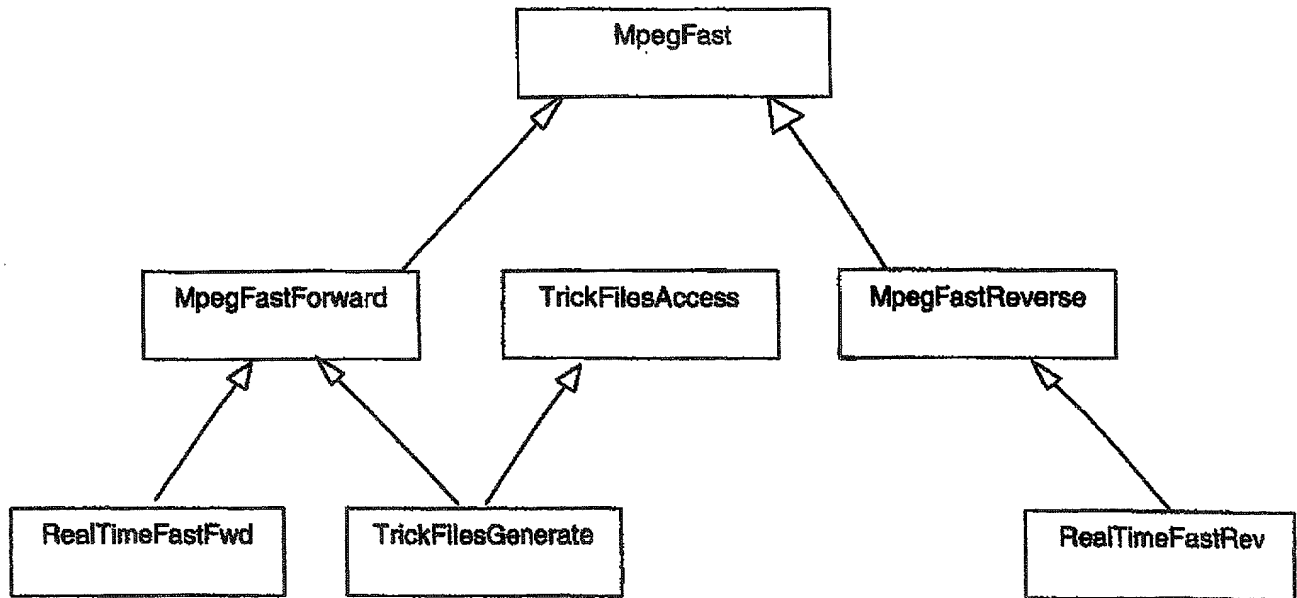


FIG. 28

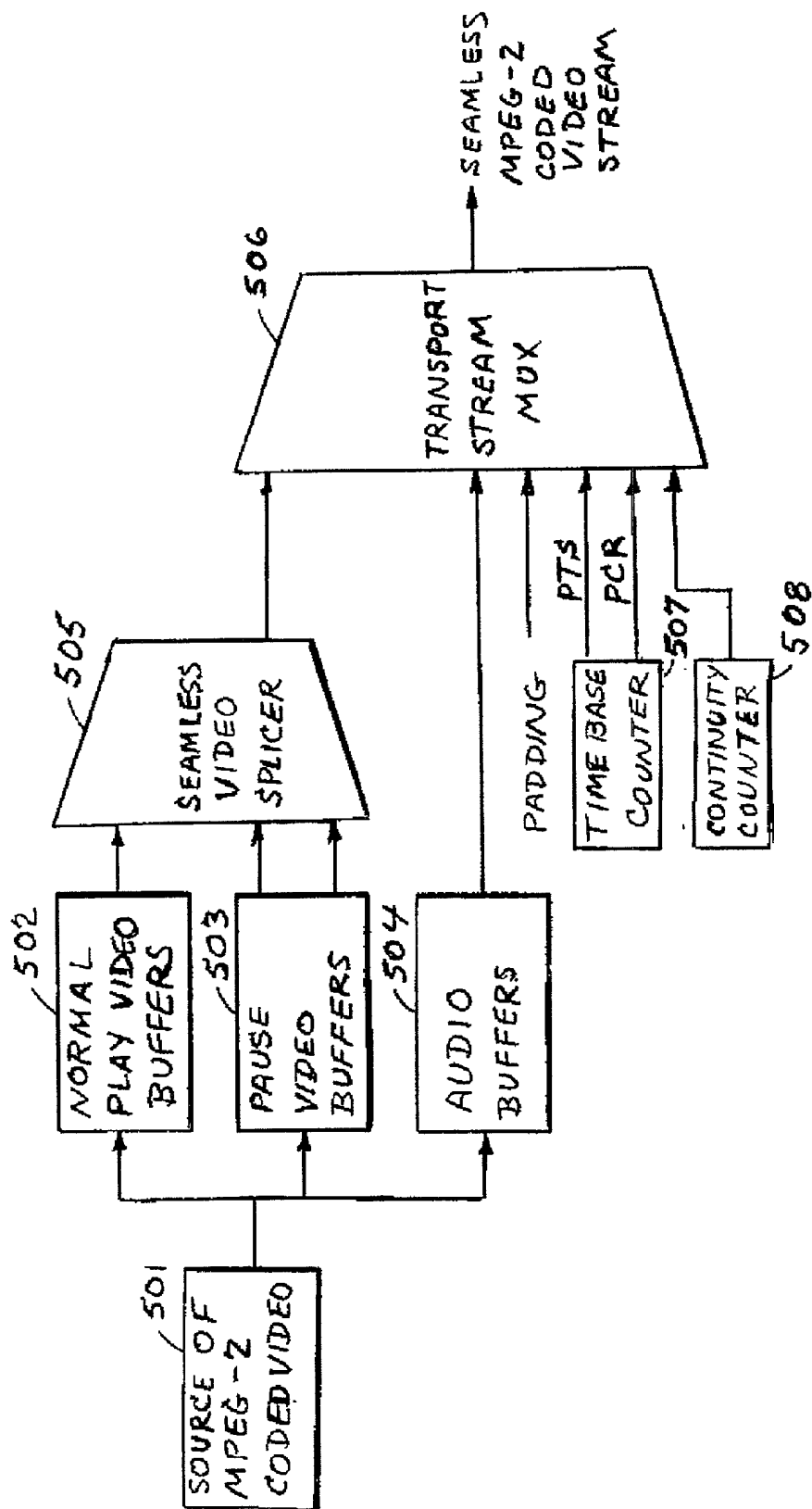


FIG. 29

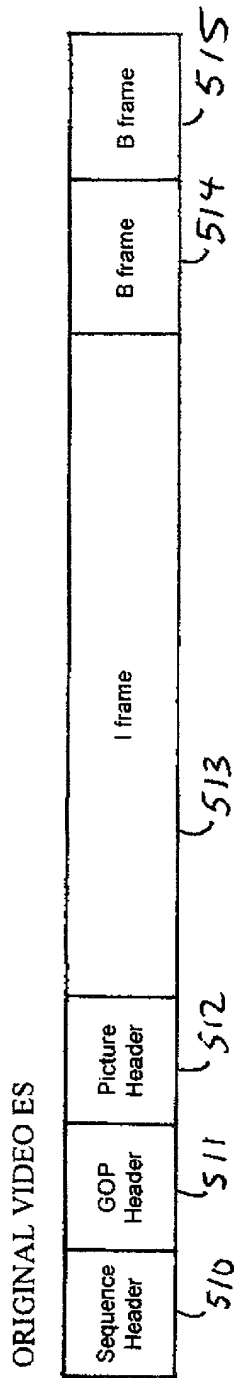


FIG. 30

P FREEZE FRAME ES

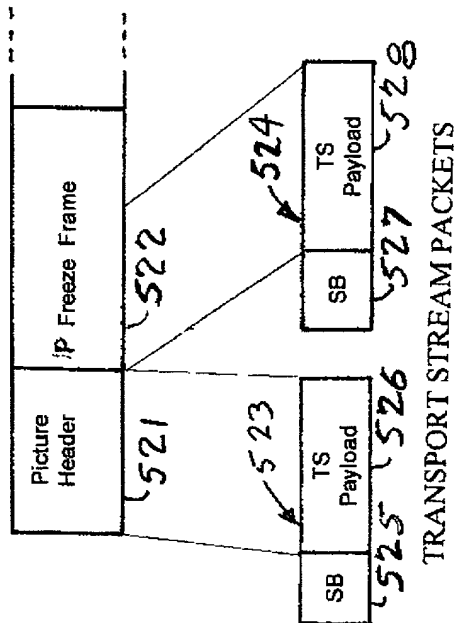


FIG. 31



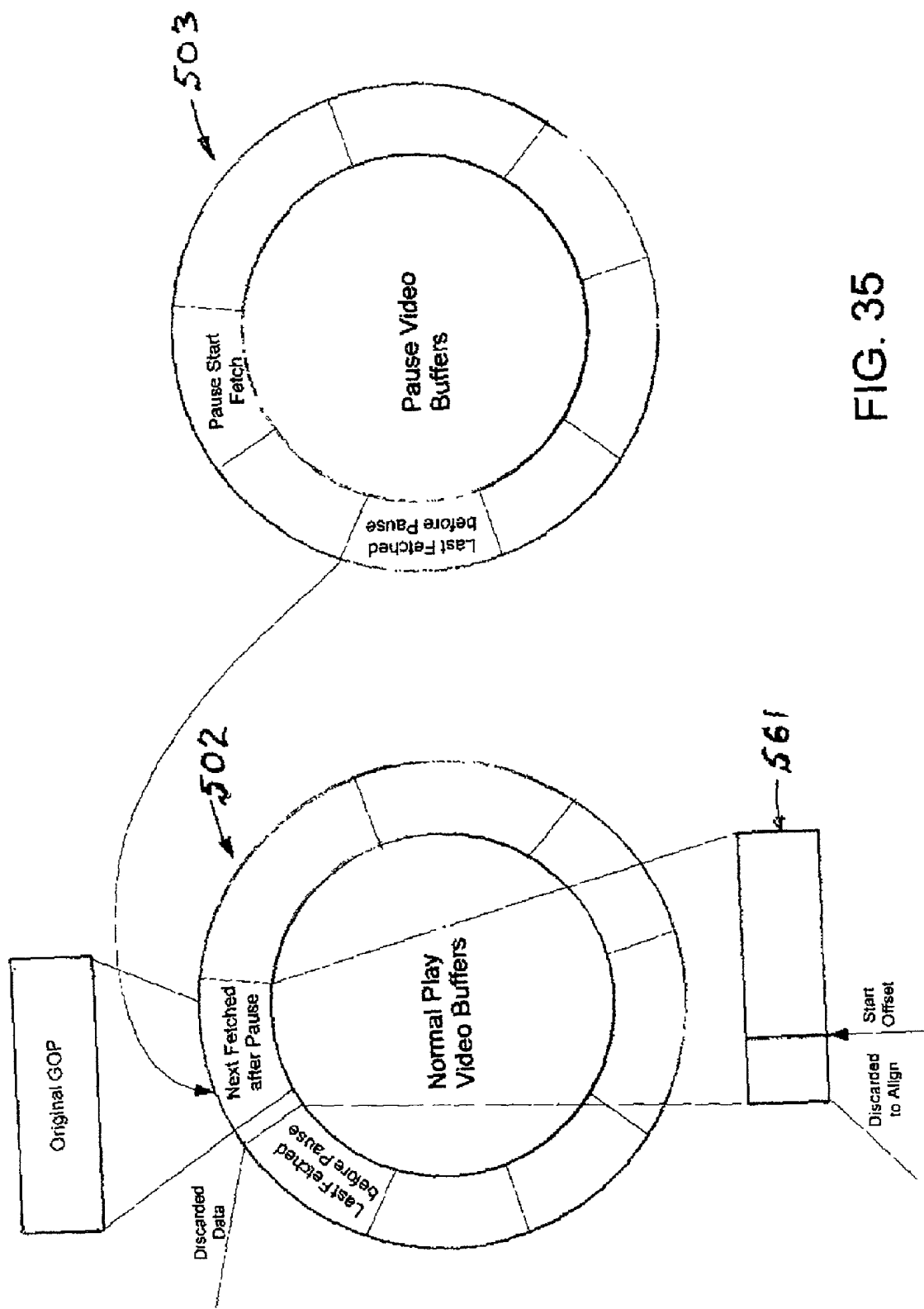


FIG. 35

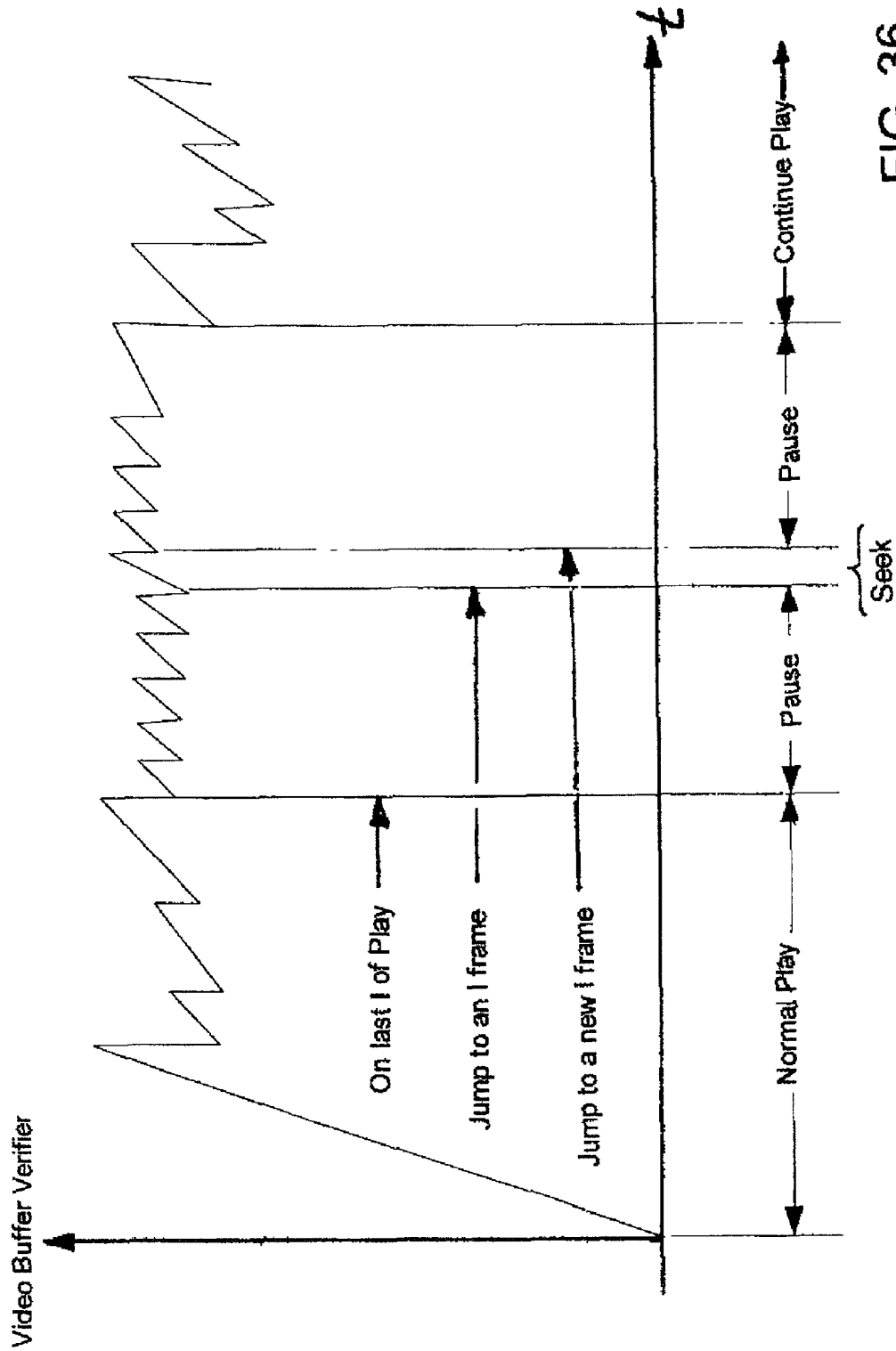


FIG. 36

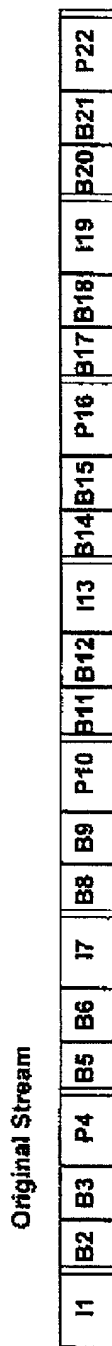


FIG. 37

Active Pause with Closed GOP

First case : Play - Pause

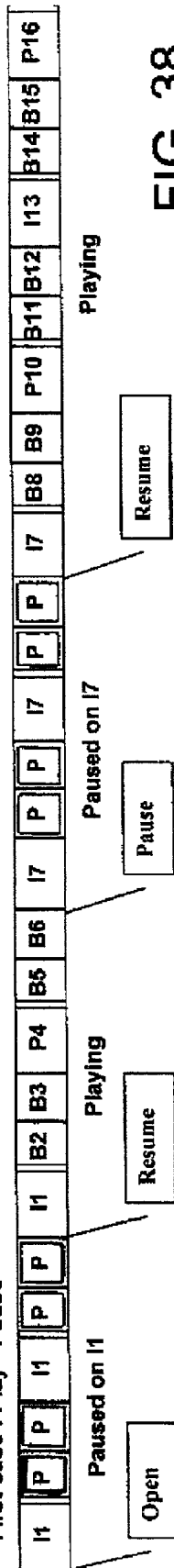


FIG. 38

Active Pause with Closed GOP

Second case : Play - Pause - seek

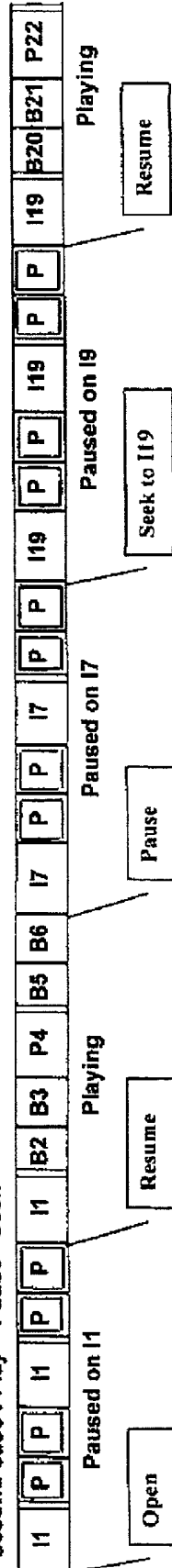
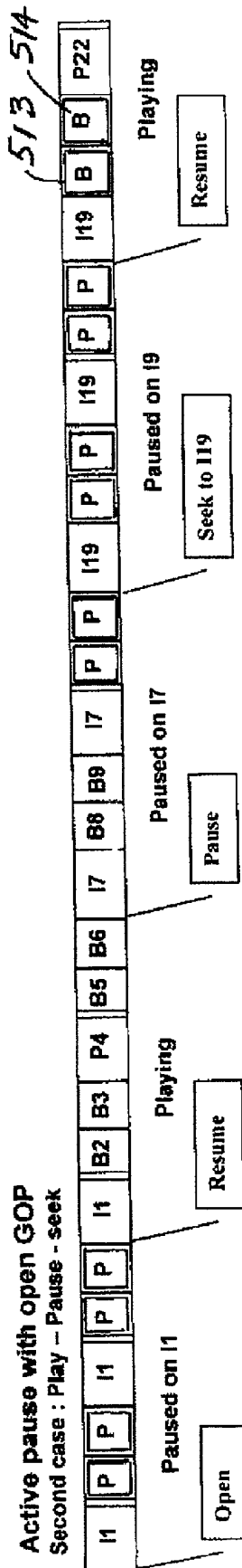
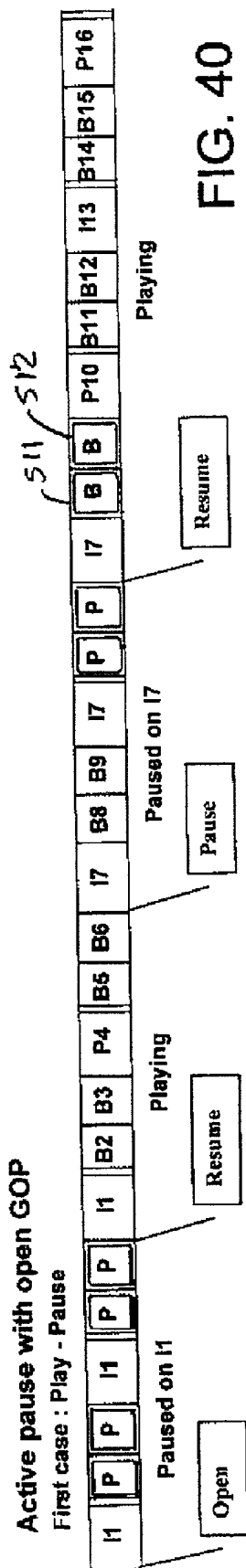


FIG. 39



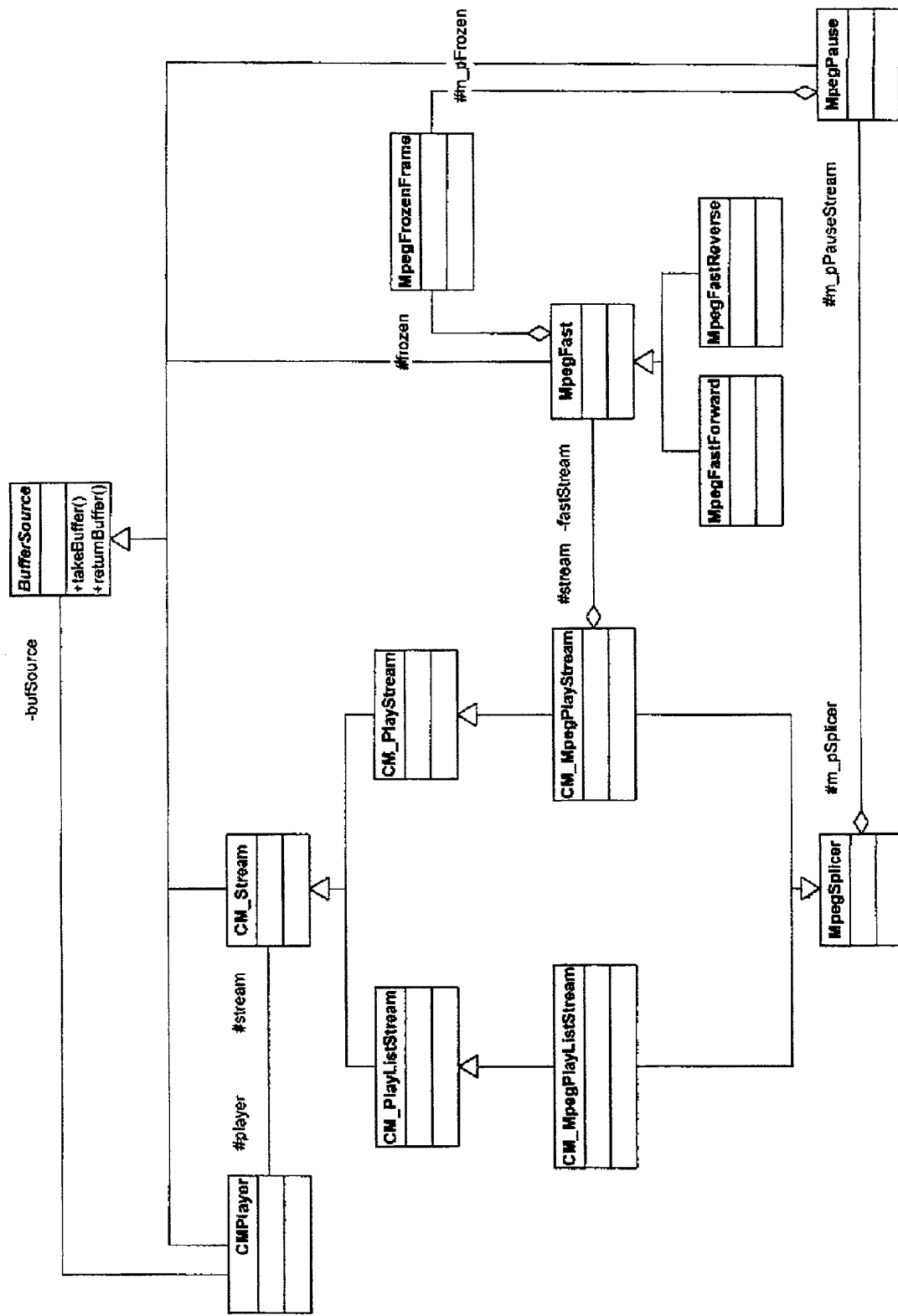


FIG. 42

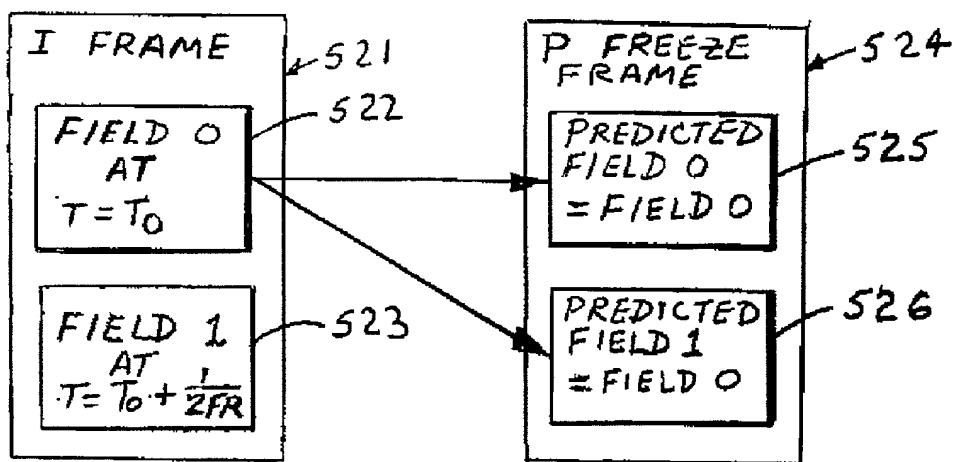


FIG. 43

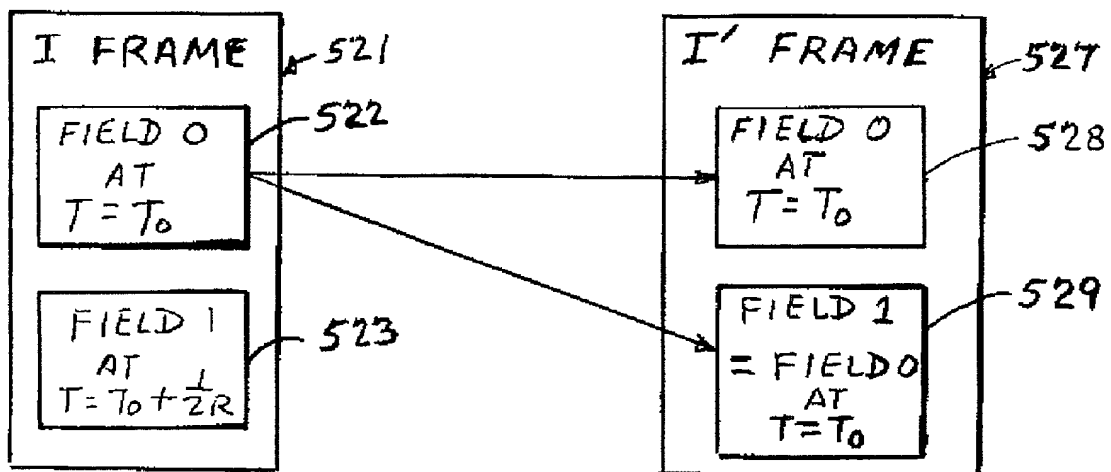


FIG. 44

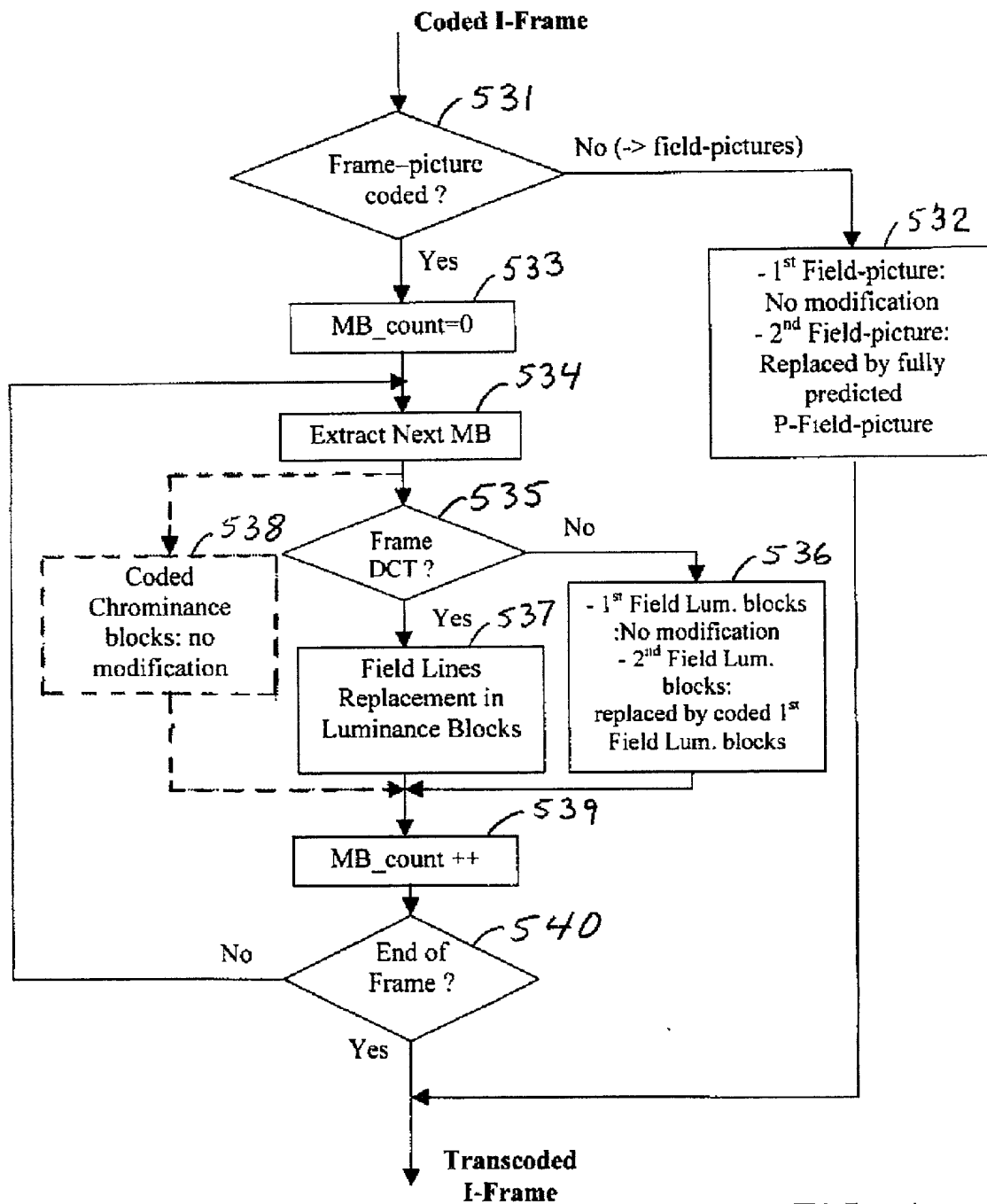


FIG. 45

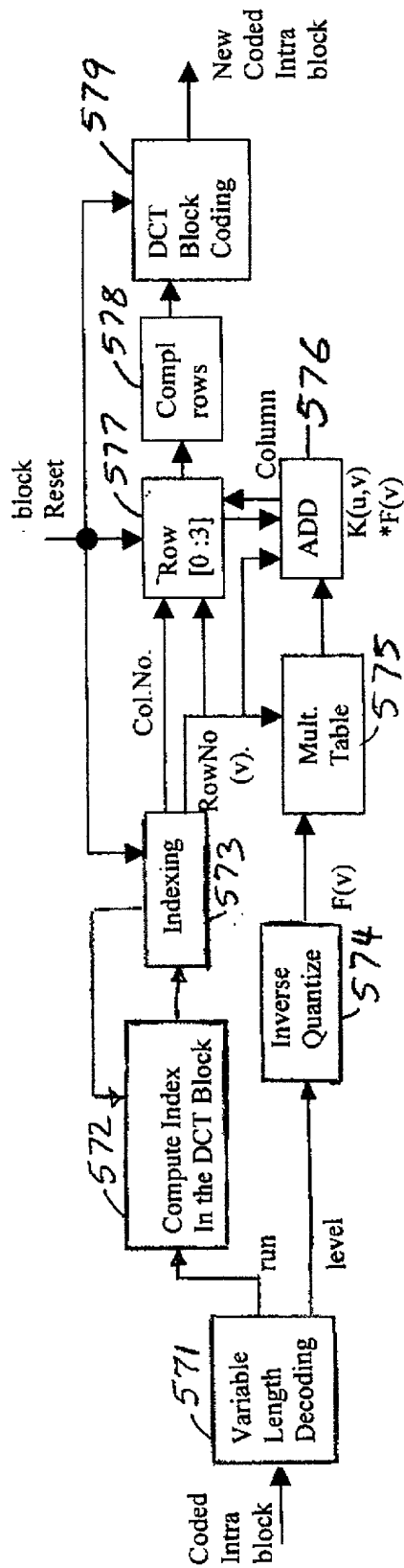


FIG. 49

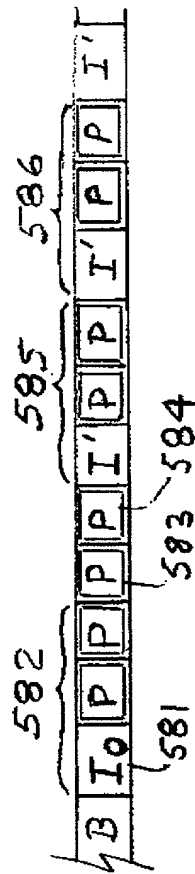


FIG. 50

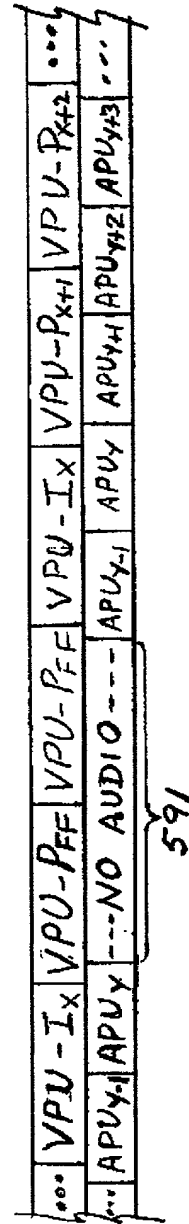


FIG. 52

[illegible]